

TGAACGCGGAGGGACATGTTTTCGTCTGGGGCTATGGAATTCTTGGGAAAGGACCAAAGCTCTTGGAAC
GGCAATTCCAGAAATGATTCCACCCACGCTCTTTGGTTTGACGGAGTTTAACCCTGAAGTCCAGGTTTCC
CAGATCCGATGTGGGCTTAGCCACTTTGCCGCACTACCAACAAGGGTGAGCTGTTTCGTGTGGGGCAAGA
ACATCCGAGGGTGCTTGGGGATTGGCCGCCTGGAAGACCAGTACTTCCCATGGAGGGTGACGATGCCCCG
TGAGCCTGTGGATGTGGCGTGTGGAGTGGATCACATGGTGACTCTAGCCAAGTCATTCATCTGAAAGGCC
CTCT (SEQ ID NO:1)

FIG. 1

0922960.080301

underlined = deleted in targeting construct

[] = sequence flanking Neo insert in targeting construct

TGAACG [CGGAGGGACATGTTTTTCGTCTGGGGCTATGGA] ATTCTTGGGAAAGGACCAAAGC
TCTTGGAACGGCAATTCCAGAAATGATTCCACCCACGCTCTTTGGTTTGACGGAGTTTA
ACCCTGAAGTCCAGGTTTCCCAGATCCGATGTGGGCTTAGCCACTTTGCCGCACTCACCA
ACAAGGGTGAGCTGTTTCGTGTGGGGCAAGAACATCCGAGGGTGCTTGGGGATTGGCCGC [C
TGAAGACCAGTACTTCCCATGGAGG] GTGACGATGCCCGGTGAGCCTGTGGATGTGGCGT
GTGGAGTGGATCACATGGTGACTCTAGCCAAGTCATTCATCTGAAAGGCCCTCT (SEQ ID NO:1)

Gene Sequence
Structure *

39 bp

Sequence Deleted

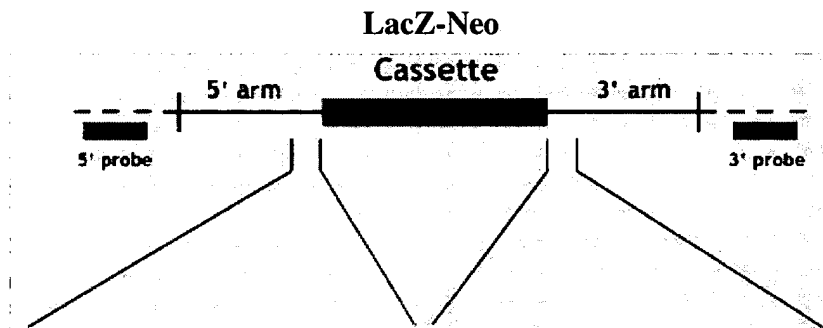
239 bp

Size of EST: 354 bp

Targeting Vector* (genomic sequence)

Construct Number: 2464

Arm Length:
5': 1.6 kb
3': 2.5 kb



5' >ATTACAGGCGTGCTCCATTCT
GTCTGGTTTCTGCAGTCTGTGGAC
AGCACCAAGGGCTTTGTGCATGCT
GGGCAGGCATGCTATCCCTGAACC
CAGCCCCTGTAGATTTTATGGCAA
GGGAGGGCTCTGCTTGGCTTGACT
CACAACCACTGTTTTGTTGTAACA
CAGCGGAGGGACATGTTTTTCGTCT
GGGGCTATGGA<3' (SEQ ID
NO:2)

5' >CTGGAAGACCAGTACTTCCCA
TGGAGGGTAAGACCATGCAGGGGT
GGGACGTGGAGGCTGTCCCAAAGG
ATGCAGAACCAAATGTGGGACAGG
GTCCAGGACCTCCTGAGCGCCACA
GTCAAGGATGGACTCCAGGGAGGC
TTGAGTGGAGGGGATGGGCAGGAG
CTGATGTAGCGCTGGCGGCATGTG
TGCAGCCTTCA<3' (SEQ ID
NO:3)

————— Targeting Vector
- - - - - Endogenous Locus

* Not drawn to scale

FIG. 2